APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,161	11/17/2003	Eric E. Blouin	RPS920030196US1/2964P	5306

47052 7590 06/21/2006	EXAMINER
SAWYER LAW GROUP LLP	SUGENT, JAMES F

	ART UNIT	PAPER NUMBER
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DATE MAILED: 06/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/716,161	BLOUIN ET AL.
	Examiner	Art Unit	
	James Sugent	2116	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>17 November 2003</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-20</u> is/are pending in the application.

     4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-20</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>17 November 2003</u> is/are: a)☐ accepted or b)☒ objected to by the Examiner.

     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a)☐ All   b)☐ Some *   c)☐ None of:

         1.☐ Certified copies of the priority documents have been received.

         2.☐ Certified copies of the priority documents have been received in Application No. _____.

         3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

     * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)   4) ☐ Interview Summary (PTO-413)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)   Paper No(s)/Mail Date. _____.
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)   5) ☐ Notice of Informal Patent Application (PTO-152)
     Paper No(s)/Mail Date _____.   6) ☐ Other: _____.

DETAILED ACTION

Drawings

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they

5   do not include the following reference sign(s) mentioned in the description: figure 2 is missing

reference numbers 200, 202, 204, 206, 208, 210, 212 and 216. Corrected drawing sheets in

compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid

abandonment of the application. Any amended replacement drawing sheet should include all of

the figures appearing on the immediate prior version of the sheet, even if only one figure is being

10   amended. Each drawing sheet submitted after the filing date of an application must be labeled in

the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If

the changes are not accepted by the examiner, the applicant will be notified and informed of any

required corrective action in the next Office action. The objection to the drawings will not be

held in abeyance.

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

20   (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed
in the United States before the invention by the applicant for patent or (2) a patent granted on an application for
patent by another filed in the United States before the invention by the applicant for patent, except that an
international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this
subsection of an application filed in the United States only if the international application designated the United
25   States and was published under Article 21(2) of such treaty in the English language.

Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Wiedeman et al. (U.S. Patent No. 6,651,093 B1) (hereinafter referred to as Wiedeman).

As to claim 1, Wiedeman discloses a method for efficiently assembling a processing system in a manufacturing environment, the method comprising: enabling ("connected to a

5   network connector to enable the system") a network boot option (dv_connect) for boot packet transfers (IPX packet transfers) in a system under test (SUT) during a manufacturing line assembly process (column 5, lines 34-47 and column 5, line 62 thru column 6, line 12); and utilizing (NT service "responding" to an IPX packet) data from boot packet transfers (IPX packets) by the SUT to perform binding operations (correlating addresses and order information)

10   for the SUT (column 6, line 52 thru column 7, line 21).

As to claim 2, Wiedeman further discloses the method wherein the step of utilizing further comprises performing an initial binding based on boot request packet data (column 5, line 62 thru column 6, line 2).

As to claim 3, Wiedeman further discloses the method further comprising performing the

15   initial binding with a floor system server (DVLAN server complex 110) (column 5, line 62 thru column 6, line 2).

As to claim 4, Wiedeman further discloses the method wherein performing the initial binding further comprises: making a network connection manually (connecting the SUT to a network connector and inserting a "step diskette" to perform boot process and network

20   connection) between the floor system server and the SUT (column 5, line 34-47); parsing (as is inherent for network communication and known in the art) a next boot request packet (IPX packet) received to extract a MAC address of the SUT (column 6, lines 2-12); and binding the

MAC address and an MTSN (machine-type-serial-number) directory name (column 5, lines 17-33 and column 7, lines 36-57).

As to claim 5, Wiedeman further discloses the method further comprising repeating the initial binding for each network adapter in the SUT (Wiedeman discloses the SUTs are

5   connected to various VPNs on an Ethernet link which necessitates binding all adapters; column 8, lines 50-52).

As to claim 6, Wiedeman further discloses the method further comprising creating a file (switch file 600) with a binding entry for the MAC address (column 7, lines 4-21).

As to claim 7, Wiedeman further discloses the method wherein the step of utilizing

10   further comprises performing an in-process binding based on boot reply packet data (column 7, lines 43-57).

As to claim 8, Wiedeman further discloses the method further comprising performing the in-process binding with a local control machine (column 4, lines 44-53).

As to claim 9, Wiedeman further discloses the method wherein performing the in-process

15   binding further comprises: reading the boot reply packet data from the SUT to get MAC and IP data (column 7, lines 4-21 and column 7, lines 36-43); transferring an MTSN (machine-type-serial-number) directory (barcode) corresponding to the MAC data to a local server when the MTSN directory is not already on the local server (column 5, lines 18-32 and column 7, lines 36-57); setting a working directory for the SUT to be the MTSN directory (column 4, lines 54-65);

20   and launching a start-up script for the SUT to get a sequencer started (column 5, lines 48-61).

As to claim 10, Wiedeman further discloses the method further comprising performing

the in-process binding continuously on the local control machine (persistently pings; column 5,

line 52 thru column 7, line3).

As to claim 11, Wiedeman discloses a system for efficiently assembling a processing

5   system in a manufacturing environment, the system comprising: a system under test (SUT), the

SUT having an enabled network boot option (column 5, lines 34-47); a floor system server

(DVLAN server complex 110) networked to the SUT (via core CAT 102a), the floor system

server performing an initial binding (DVLAN performs initial address correlation) for the SUT

based on boot request packet data (IPX packets) of the SUT (column 4, line 54 thru column 5,

10   line 7 and column 6, line 52 thru column 7, line 3); and a local control system (BRM 304 and BR

CAT 306) coupled to the SUT and networked to the floor system server (as shown in figures 2

and 3), the local control system performing an in-process (after initial binding with the DVLAN)

binding for the SUT based on boot reply packet data (IPX packets) of the SUT, wherein the SUT

is efficiently bound to an order (Wiedeman discloses the SUT being rebooted after initial binding

15   with the DVLAN and then connected to a VLAN for order software downloading under

connection control of the boot rack CAT; column 4, lines 44-53 and column 5, lines 34-47 and

column 6, line 52 thru column 7, line 21).

As to claim 12, Wiedeman further discloses the system wherein the floor system server

further parses (as is inherent for network communication and known in the art) a boot request

20   packet (IPX packet) to extract a MAC address of the SUT (column 6, lines 2-12), and binds the

MAC address and an MTSN (machine-type-serial-number) directory name (column 5, lines 17-

33 and column 7, lines 36-57).

As to claim 13, Wiedeman further discloses the system wherein the floor system server

creates a file (switch file 600) with a binding entry for the MAC address (column 7, lines 4-21).

As to claim 14, Wiedeman further discloses the system wherein the floor system server

repeats the initial binding for each network adapter in the SUT (Wiedeman discloses the SUTs

5   are connected to various VPNs on an Ethernet link which necessitates binding all adapters;

column 8, lines 50-52).

As to claim 15, Wiedeman further discloses the system wherein the local control system

reads the boot reply packet data from the SUT to get MAC and IP data (column 7, lines 4-21 and

column 7, lines 36-43), transfers an MTSN (machine-type-serial-number) directory (barcode)

10   corresponding to the MAC data to a local server when the MTSN directory is not already on the

local server (column 5, lines 18-32 and column 7, lines 36-57), sets a working directory for the

SUT to be the MTSN directory (column 4, lines 54-65), and launches a start-up script for the

SUT to get a sequencer started (column 5, lines 48-61).

As to claim 16, Wiedeman further discloses the system wherein the local control system

15   performs the in-process binding continuously (persistently pings; column 5, line 52 thru column

7, line3).

As to claim 17, Wiedeman discloses a computer readable medium containing program

instruction for binding a processing system to an order in a manufacturing environment, the

program instructions comprising: performing an initial binding of a system under test (SUT) by a

20   floor server system (Wiedeman discloses a DVLAN server complex 110 performing the initial

address and order correlations of a SUT when placed in a manufacturing rack; column 4, line 54

thru column 5, line 7 and column 5, lines 34-47 and column 6, line 52 thru column 7, line 3); and

performing an in-process binding of the SUT by a local control station (Wiedeman discloses a

the SUT being rebooted and connected to a VLAN to download order software on the SUT after

initial binding with DVLAN; column 6, line 52 thru column 7, line 21).

As to claim 18, Wiedeman further discloses the computer readable medium wherein

5   performing an initial binding occurs based on boot request packet data of the SUT (column 7,

lines 4-21) and performing an in-process binding occurs based on boot reply packet data of the

SUT (column 7, lines 43-57).

As to claim 19, Wiedeman further discloses the computer readable medium wherein

performing an initial binding further comprises parsing (as is inherent for network

10   communication and known in the art) a boot request packet (IPX packet) to extract a MAC

address of the SUT (column 6, lines 2-12), and binding the MAC address and an MTSN

(machine-type-serial-number) directory name (column 5, lines 17-33 and column 7, lines 36-57).

As to claim 20, Wiedeman further discloses the computer readable medium wherein

performing an in-process binding further comprises reading boot reply packet data from the SUT

15   to get MAC and IP data (column 7, lines 4-21 and column 7, lines 36-43), transferring an MTSN

(machine-type-serial-number) directory (barcode) corresponding to the MAC data to a local

server when the MTSN directory is not already on the local server (column 5, lines 18-32 and

column 7, lines 36-57), setting a working directory for the SUT to be the MTSN directory

(column 4, lines 54-65), and launching a start-up script for the SUT to get a sequencer started

20   (column 5, lines 48-61).

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to James Sugent whose telephone number is (571) 272-5726. The

examiner can normally be reached on 8AM - 4PM.

5   If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Lynne Browne can be reached on (571) 272-3670. The fax phone number for the

organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

10   may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

15   information system, call 800-786-9199 (IN USA OR CANADA) or (571) 272-1000.

James Sugent
Patent Examiner, Art Unit 2116
June 16, 2006

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